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WATER SUPPLY OUTLOOK FOR COLORADO AND NEW MEXICO



U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

**COLORADO STATE UNIVERSITY EXPERIMENT STATION
STATE ENGINEER of COLORADO
and STATE ENGINEER of NEW MEXICO**

AS OF
MAY 1, 1975

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*Cover Photo: Cabins near Sacajawea Snow Course
in Bridger Mountains, Montana.*

SCS PHOTO 11-P480-15

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR COLORADO AND NEW MEXICO

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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WATERSHED II – ARKANSAS RIVER WATERSHED

Describes water supply conditions in Lake County, Upper Arkansas, Fremont, Custer County Divide, Fountain Valley, Black Squirrel, Horse-Rush Creek, Central Colorado, Turkey Creek, Pueblo, Bessemer, Olney Boone, Cheyenne, Upper Huerfano, Stonewall, Spanish Peaks, Purgatoire, Bronson Trinchera, Western Baca, Southeastern Baca, Two Buttes, Bent, Timpas, Northeast Prowers, Prowers, Kiowa County, West Otero, East Otero, and Big Sandy Soil Conservation Districts.

WATERSHED III – RIO GRANDE WATERSHED (COLORADO)

Describes water supply conditions in Rio Grande, Center, Conejos, Mosca Hooper, Mt. Blanca, Sanchez, and Culebra Soil Conservation Districts.

WATERSHED IV – RIO GRANDE WATERSHED (NEW MEXICO)

Describes water supply conditions in Upper Chama, East Rio Arriba, Taos, Lindrith, Jemez, Santa Fe – Pojoaque, Sandoval, Tijeras, Cubo, and Edgewood Soil Conservation Districts.

WATERSHED V – DOLORES, SAN JUAN, AND ANIMAS RIVERS WATERSHED

Describes water supply conditions in San Miguel Basin. Dove Creek, Dolores, Mancos, LaPlata, Pine River, San Juan, San Miguel Basin, and Glade Park Soil Conservation Districts.

WATERSHED VI – GUNNISON RIVER WATERSHED

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Describes water supply conditions in DeBeque, Plateau Valley, Lower Grand Valley, Bookcliff, Eagle County, Middle Park, Glade Park, Upper Grand Valley, South Side, and Mt. Sopris Soil Conservation Districts.

WATERSHED VIII – YAMPA, WHITE AND NORTH PLATTE RIVERS WATERSHED

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WATER SUPPLY OUTLOOK

as of
MAY 1, 1975



The map on this page indicates the most probable water supply as of the date of this report. Estimates assume average conditions of snow fall, precipitation and other factors from this date to the end of the forecast period. As the season progresses accuracy of estimates improve. In addition to expected streamflow, reservoir storage, soil moisture in irrigated areas, and other factors are considered in estimating water supply. Estimates apply to irrigated areas along the main streams and may not indicate conditions on small tributaries.

WATER SUPPLY CONDITIONS

as of

MAY 1, 1975

WATER SUPPLIES SHOULD BE ADEQUATE IN BOTH STATES THIS SUMMER. NORTHERN NEW MEXICO AND SOUTHERN COLORADO STREAMS COULD PRODUCE HIGH WATER. FORECASTS RANGE ABOVE 150% AND THE SNOWPACK INDICATES FLOWS SHOULD BE HIGHER THAN 1973. SOME SNOW COURSES HAVE RECORD AMOUNTS OF WATER AT PRESENT TIME. PLAINS AREAS OF NEW MEXICO AND COLORADO INDICATE POOR SOIL MOISTURE CONDITIONS WHILE IRRIGATED AREAS SEEM TO BE IN RELATIVELY GOOD CONDITION. FORECASTS ARE BASED ON NORMAL CONDITIONS FOR THE REMAINDER OF THE YEAR. IF THE NEXT 60 DAYS HAVE EXTREMELY HIGH TEMPERATURES OR PRECIPITATION VERY HIGH RUNOFF WILL OCCUR.



COLORADO

-- STREAMS IN THE SOUTHERN HALF OF COLORADO SHOULD PRODUCE MUCH ABOVE AVERAGE RUNOFF THIS YEAR. HIGH WATER CAN BE EXPECTED ON ALL LARGE STREAMS AND MINOR TRIBUTARIES. THE SIZE OF THE PEAK WILL DEPEND UPON THE TEMPERATURES AND PRECIPITATION DURING THE NEXT 60 DAYS. THE NORTHERN HALF OF THE STATE WILL HAVE ADEQUATE WATER SUPPLIES FOR ALL PURPOSES. CARRYOVER STORAGE IS GOOD ON THE SOUTH PLATTE DRAINAGE. PLAINS' SOIL MOISTURE IS REPORTED AS FAIR. IRRIGATED AREAS INDICATE FAIR TO GOOD SOIL MOISTURE.



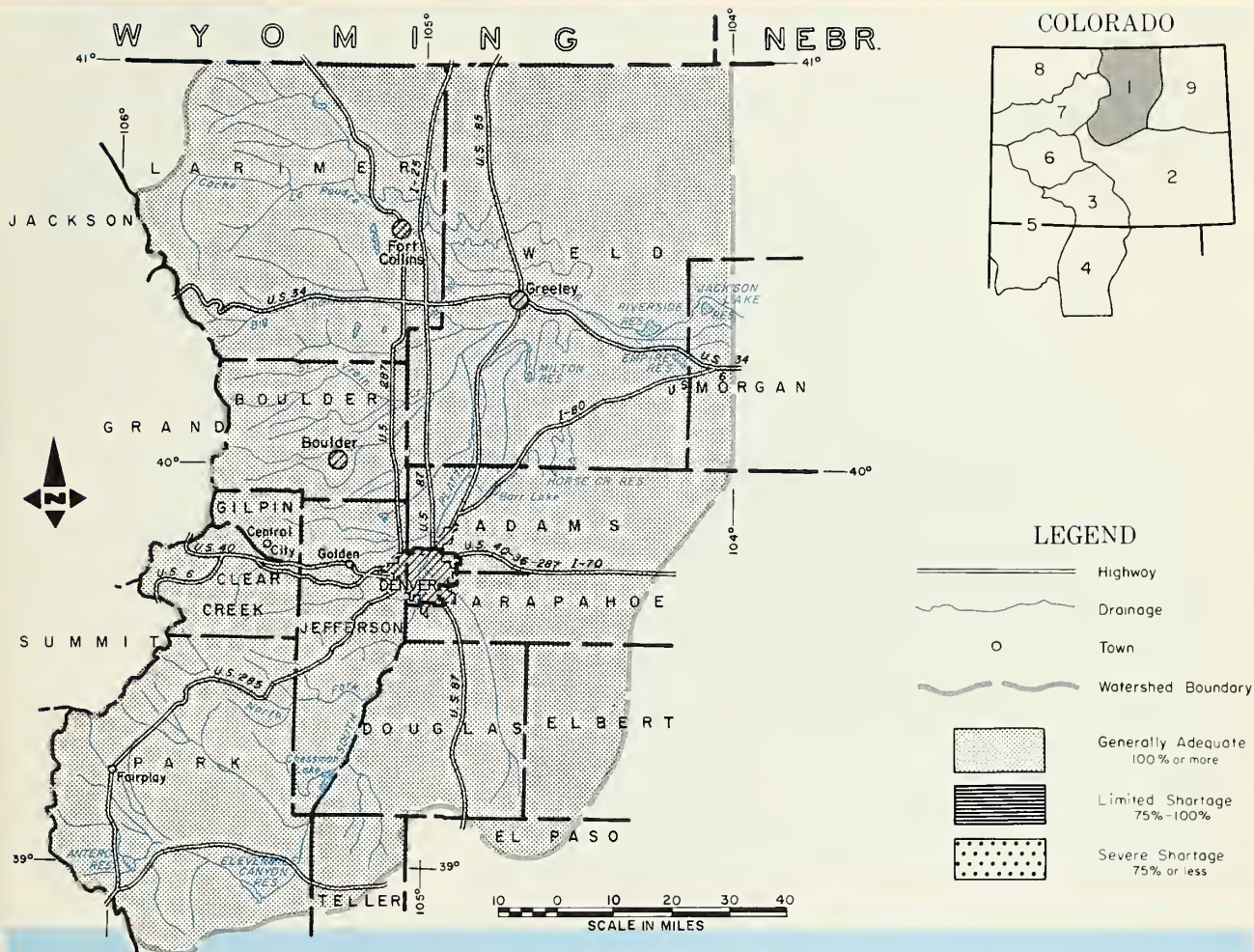
NEW MEXICO

-- THE RIO GRANDE AND SAN JUAN BASINS HAVE EXTREMELY HIGH SNOWPACKS. THIS OCCURRED BECAUSE SNOWFALL WAS HEAVY AND THERE HAS BEEN PRACTICALLY NO MELT. STREAMS THAT NORMALLY START TO FLOW THE LATER PART OF MARCH OR EARLY APRIL HAVE NOT PRODUCED MUCH WATER TO DATE. HIGH WATER IS EXPECTED OVER THE ENTIRE AREA. SMALL STREAMS AS WELL AS LARGE WILL PRODUCE HIGH PEAKS IF TEMPERATURES ARE HIGH. FLOWS SHOULD IMPROVE CARRYOVER STORAGE FOR NEXT YEAR AS WELL AS PROVIDE ADEQUATE WATER THIS YEAR.

WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE SOUTH PLATTE RIVER WATERSHED IN COLORADO

as of
MAY 1, 1975

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

WATER PROSPECTS FOR THE IRRIGATION SEASON ARE GOOD. ALL RIVERS ARE BEING FORECAST FOR GREATER THAN NORMAL RUNOFF. THE MOUNTAIN SNOWPACK IS GOOD, BUT PRACTICALLY NO MELT HAS OCCURRED. THE RIVERS ARE STILL LOW. CARRY-OVER STORAGE IS GOOD. SOILS IN THE IRRIGATED AREAS ARE REPORTED TO BE IN GOOD CONDITION.

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STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORECAST	% of Average	Average [†]
Big Thompson at Drake(1)	120	112	107
Boulder at Orodell	60	122	49
Cache La Poudre at Canyon Mouth (2)	265	107	247
Clear Creek at Golden(3)	150	118	127
St. Vrain at Lyons (4)	92	123	75

(1) Observed flow plus by-pass to power plants. (2) Observed flow minus trans-basin diversions plus municipal and irrigation diversions. (3) Observed flow minus diversion through August P. Gumlick Tunnel. (4) Observed flow plus change in storage in Price Reservoir.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF:	
		Last Year	Average [†]
Big Thompson	5	112	115
Boulder	3	83	103
Cache La Poudre	8	88	111
Clear Creek	6	85	111
Saint Vrain	3	146	132
South Platte	3	152	142

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average [†]
Antero	33	16	16	14
Barr Lake	32	29	26	26
Black Hollow	8	5	5	4
Boyd Lake	44	36	44	38
Cache La Poudre	10	7	8	9
Carter Lake	109	109	107	99
Chambers Lake	9	4	5	4
Cheesman	79	50	68	60
Cobb Lake	34	17	19	15
Eleven Mile	98	97	95	89
Fossil Creek	12	7	10	8
Gross	43	14	26	23

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Bear Creek	Exc.	Avg.
Coal Creek	Exc.	Avg.
North Fork of South Platte	Exc.	Avg.
North Fork of Cache La Poudre	Exc.	Avg.
Ralston Creek	Exc.	Avg.
Rock Creek	Exc.	Avg.

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average [†]
Big Thompson	3	89	81
Boulder	1	79	57
Cache La Poudre	2	91	82
Clear Creek	2	104	97
Saint Vrain	1	79	57
South Platte	2	104	88

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average [†]
Halligan	6	6	6	6
Horsetooth	144	115	126	121
Lake Loveland	14	10	13	10
Lone Tree	9	8	8	8
Mariano	5	5	5	5
Marshall	10	8	9	6
Marston	18	16	17	16
Milton	24	18	17	15
Standley	42	34	36	20
Terry Lake	8	6	6	6
Union	13	12	13	10
Windsor	19	13	13	13

1958-1972 period.

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WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE ARKANSAS RIVER WATERSHED IN COLORADO

as of
MAY 1, 1975

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



STREAMFLOW SHOULD BE MUCH ABOVE NORMAL THIS SUMMER. ALL THE TRIBUTARY STREAMS AS WELL AS THE MAINSTEM OF THE ARKANSAS ARE BEING FORECAST TO FLOW AT LEAST 50% MORE THAN NORMAL. ALL OTHER CONDITIONS ON THE ARKANSAS ARE POOR. CARRYOVER STORAGE IS ALMOST NON-EXISTENT AND SOIL MOISTURE IN THE PLAINS IS LISTED AS POOR TO FAIR.

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STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORECAST	% of Average	Average [†]
Arkansas nr Pueblo (1)	450	155	290
Arkansas at Salida (1)	470	150	313
Cucharas nr La Veta	15	150	10
Purgatoire at Trinidad	60	158	38

(1) Observed flow plus change in Clear Creek, Twin Lakes and Turquoise Reservoirs minus diversions through Busk Ivanhoe, Boustead, Divide, Twin Lakes and Homestake Tunnels and twing, Front Pass, Wurtz and Columbine ditches.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average [†]
Arkansas	10	143	168
Cucharas	2	--	241
Purgatoire	1	--	292

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Apishapa	Exc.	Exc.
Fountain Creek	Exc.	Exc.
Grape	Exc.	Exc.
Hardscrable	Exc.	Exc.
Huerfano	Exc.	Exc.
Monument Creek	Exc.	Exc.

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average [†]
Arkansas	3	91	95
Cucharas and Purgatoire	--	--	--

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average [†]
Adobe	62	0	19	16
Clear Creek	11	0	4	8
Cucharas	40	0	6	3
Great Plains	150	0	50	57
Horse Creek	27	0	0	7

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average [†]
John Martin	354	0	0	73
Meredith	42	0	26	13
Model	15	0	0	3
Turquoise	121	34	52	--
Twin Lakes	58	13	36	22

[†] 1958-1972 period.

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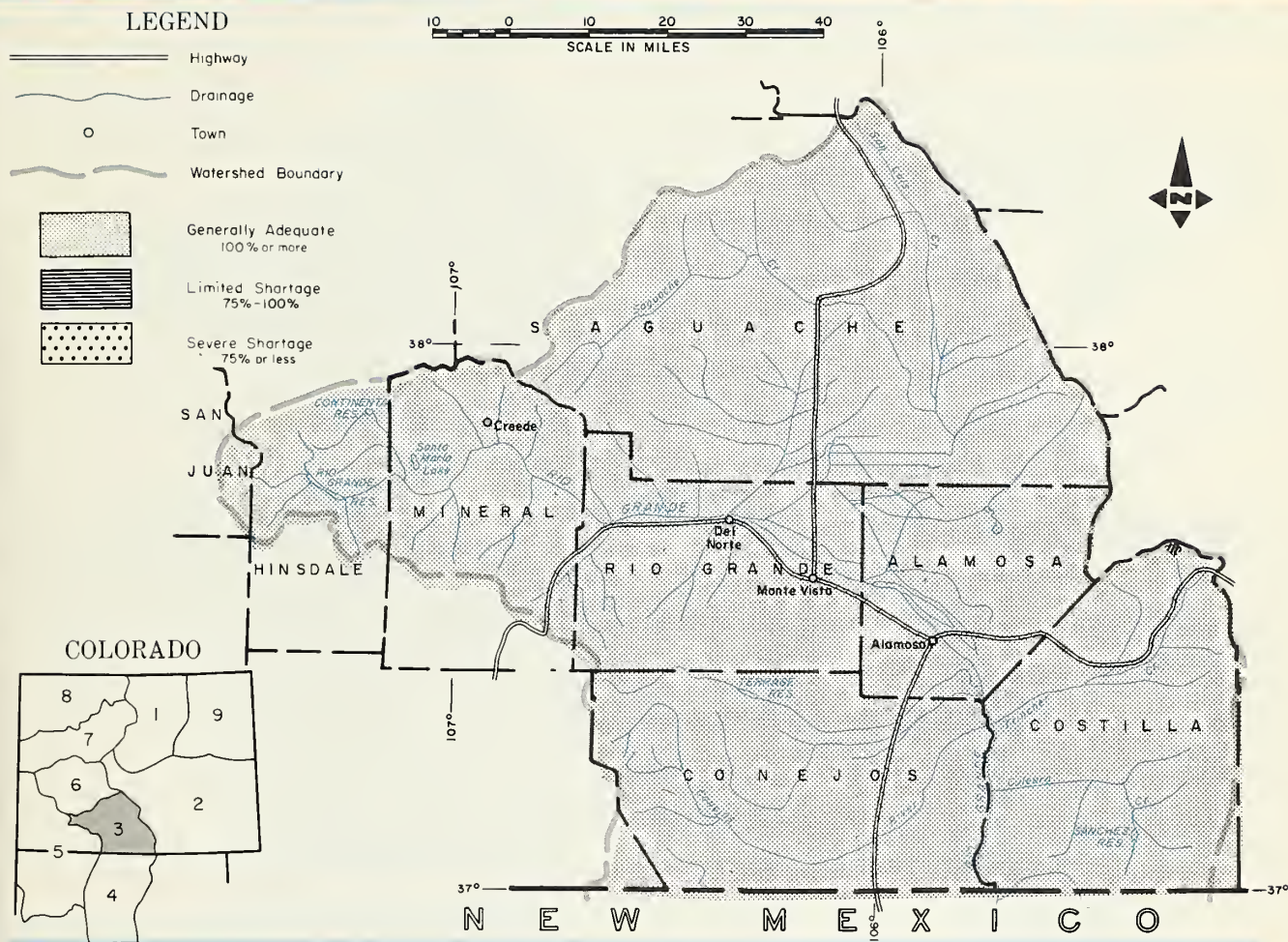
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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE UPPER RIO GRANDE WATERSHED IN COLORADO

as of
MAY 1, 1975

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

SOME HIGH WATER IS EXPECTED IN THE SAN LUIS VALLEY THIS SUMMER. STREAMS ARE BEING FORECAST WELL ABOVE THE 150% LEVEL. THE EXTENT OF FLOODING WILL DEPEND UPON THE DAY AND NIGHT TIME TEMPERATURES AND PRECIPITATION DURING THE NEXT 60 DAYS. EXTREMES OF EITHER COULD PRODUCE VERY HIGH WATER. LITTLE SNOW-MELT HAS OCCURRED SO THE SNOWPACK IS NEAR A RECORD HIGH.

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U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORECAST	% of Average	Average [†]
Alamosa abv Terrace	115	185	62
Conejos nr Mogote (1)	285	155	184
Culebra at San Luis (2)	30	176	17
Rio Grande at 30 Mile Bridge (3)	200	165	121
Rio Gr. nr Del Norte(3)	800	171	468
South Fork at South Fork	185	161	115

(1) Observed flow plus change in storage in Platoro Reservoir. (2) Observed flow plus change in storage in Sanchez Reservoir. (3) Observed flow plus change in storage in Santa Morio, Rio Grande and Continental Reservoirs.

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Saguache Creek	Exc.	Exc.
Sangre de Cristo Cr.	Exc.	Exc.
Trinchera	Exc.	Exc.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average [†]
Alamosa	2	207	187
Conejos	2	264	218
Culebra	2	336	280
Rio Grande	10	274	212

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average [†]
Alamosa	1	40	43
Conejos	1	77	74
Culebra	-	--	--
Rio Grande	1	39	43

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average [†]
Continental	27	4	4	7
Platoro	60	19	35	10
Rio Grande	46	10	29	20

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average [†]
Sanchez	103	7	-	15
Santa Maria	45	5	8	8
Terrace	18	5	10	7

+ 1958-1972 period.

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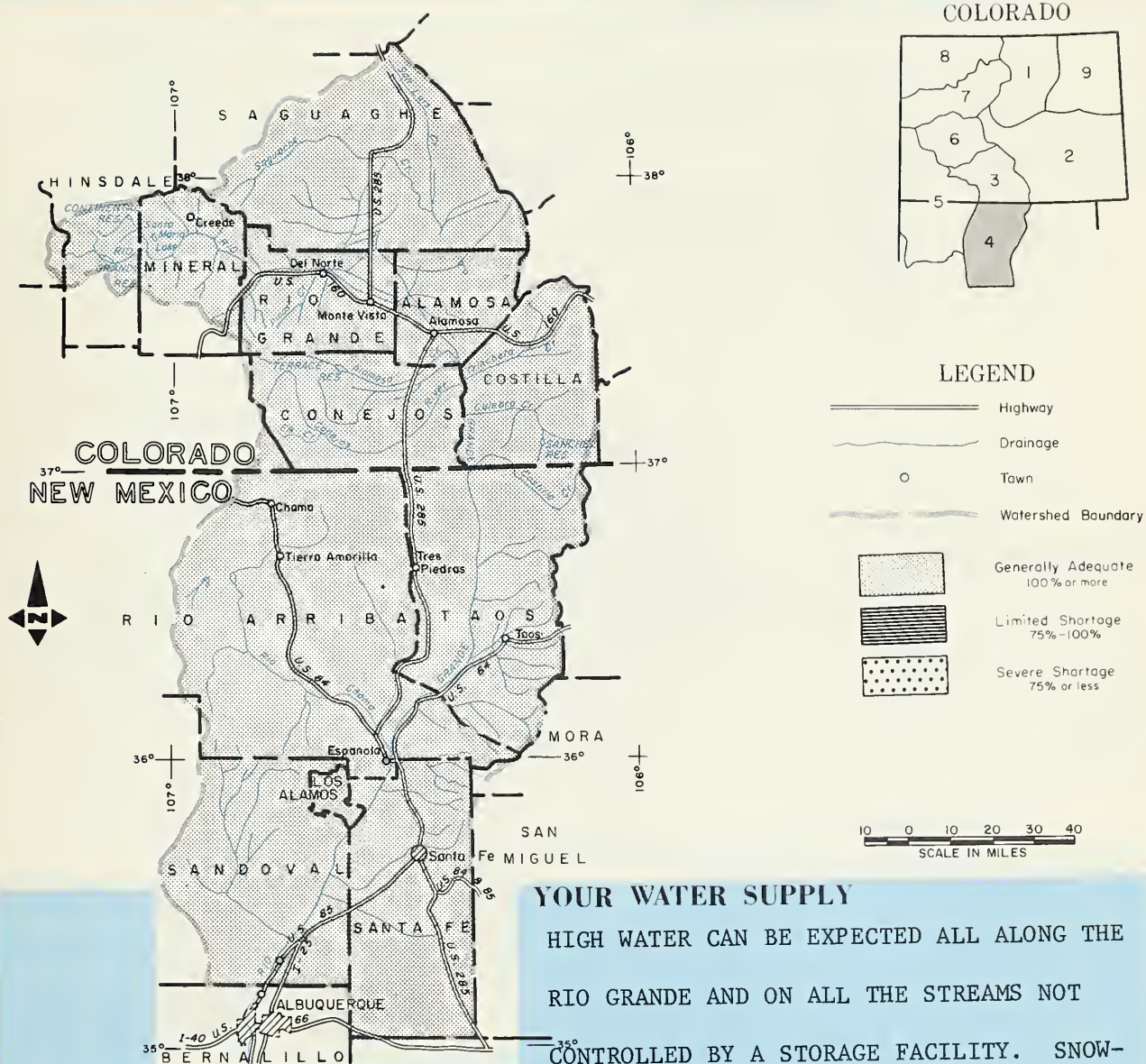
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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE RIO GRANDE WATERSHED IN NEW MEXICO

as of
MAY 1, 1975

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



PACK IS A RECORD HIGH ON MANY SNOW COURSES ESPECIALLY IN NEW MEXICO. SEVERAL DAYS OF HIGH DAY AND NIGHT TIME TEMPERATURES AND/OR HIGH PRECIPITATION COULD CAUSE EXTREMELY HIGH WATER. LOW ELEVATION SNOW WILL MELT RAPIDLY.

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STREAMFLOW FORECASTS (1000 Ac. Ft.) Mar-Jul

FORECAST POINT	FORECAST	% of Average	Average [†]
Costilla at Costilla(1)	35	184	19
Jemez River nr Jemez	50	172	29
Pecos at Pecos	65	159	41
Red River at Mouth nr Questa	47	162	29
Rio Chama at El Vado	325	171	190
Rio Gr. at Otowi (2)	1050	200	526
Rio Gr. at San Mar (2)	850	239	355
Rio Hondo nr Valdez	25	179	14
Santa Cruz at Cundiyo	19	158	13

The forecast of the Rio Grande at San Marcial is % of the Average used by the Elephant Butte Irrigation District. (1) Observed flow plus change in Costilla Reservoir. (2) Observed flow plus change in storage in El Vado and Abiquiu Reservoir.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average [†]
Rio Grande	10	274	212

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Embudo Creek	Exc.	Exc.
Mora River	Exc.	Exc.
Nambe Creek	Exc.	Exc.
Rio Ojo Caliente	Exc.	Exc.
Rio Pueblo de Taos	Exc.	Exc.
Santa Fe Creek	Exc.	Exc.

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average [†]

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average [†]
Alamogordo	111	52	73	62
Caballo	344	73	78	83
Conchas	273	132	224	175
Elephant Butte	2195	372	719	380

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average [†]
El Vado	195	131	131	28
McMillan		15	7	
Avalon		2	1	

+ 1958-1972 period.

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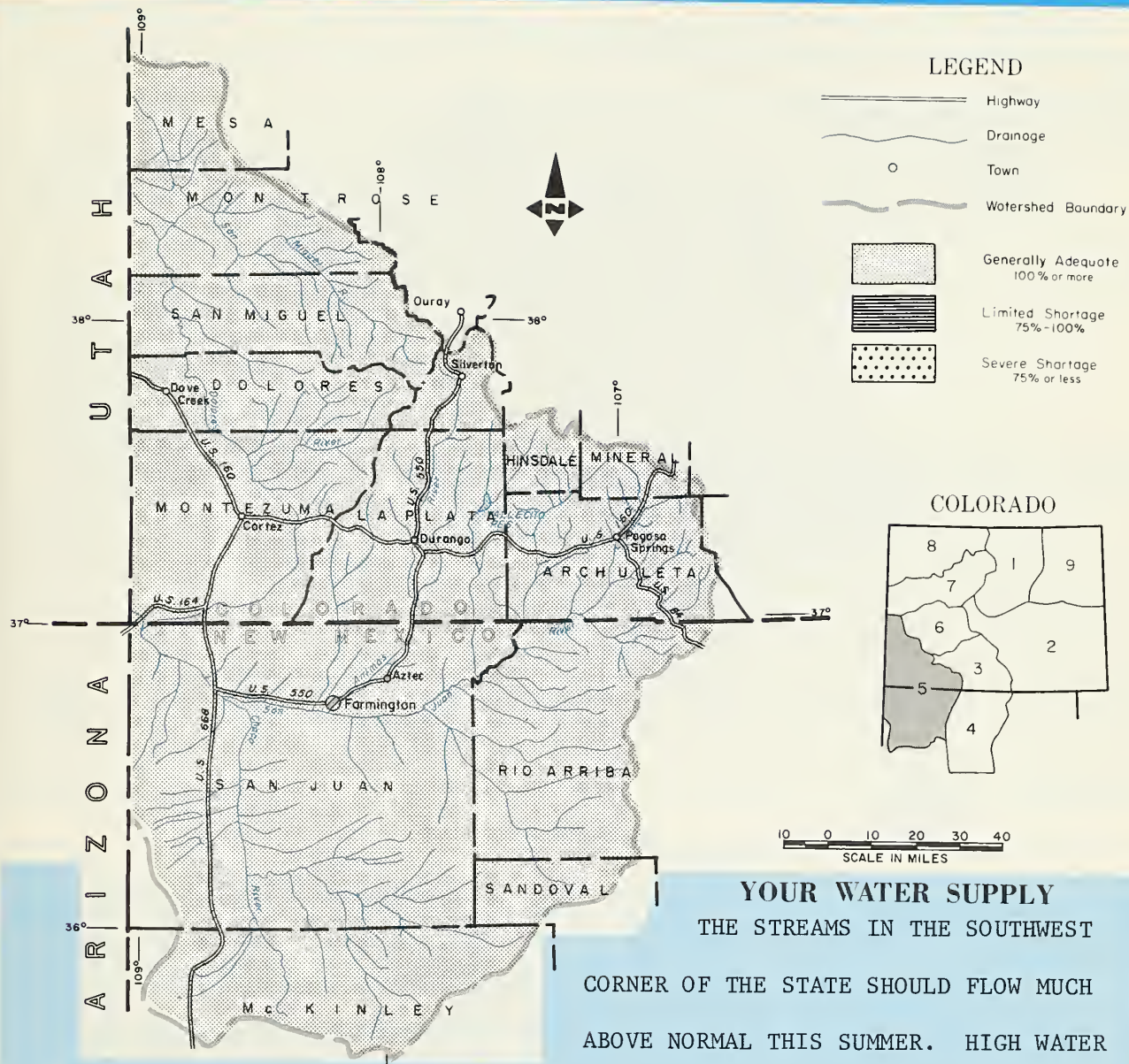


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WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE SAN MIGUEL, DOLORES, ANIMAS, AND SAN JUAN WATERSHEDS IN COLORADO AND NEW MEXICO

as of
MAY 1, 1975

U.S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



WILL OCCUR ON MOST OF THE RIVERS. THE EXTENT OF FLOODING WILL DEPEND UPON DAY AND NIGHT TIME TEMPERATURES AND PRECIPITATION DURING THE NEXT 60 DAYS. HIGH EXTREMES OF EITHER WILL TRIGGER HIGH PEAK FLOWS.

This report prepared by

JACK N. WASHCHER
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Issued by

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JAMES E. TATUM - AREA CONSERVATIONIST
SANTA FE, NEW MEXICO

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

FORECAST POINT	FORECAST	% of Average	Average ⁺
Animas at Durango	735	176	423
Dolores at Dolores	395	170	232
La Plata at Hesperus	43	180	24
Los Pinos at Bayfield(1)	350	177	198
Piedra Cr. at Arboles	340	184	185
San Juan at Carracas	650	184	354
San Miguel at Placerville	230	177	130
Inflow to Navajo R.(1&2)	1100	184	597
Mancos nr Towac	24	171	14

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average ⁺
Animas	6	239	207
Dolores	4	253	292
San Juan	4	218	181

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average ⁺
Animas	-	--	--
Dolores	3	73	65
San Juan	-	--	--

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average ⁺
Groundhog	22	9	16	12
Jackson Gulch	10	7	7	7
Lemon	40	8	19	25
Narraguinnep	19	18	16	--
Navajo	1036	394	322	284*
Vallecito	126	29	83	68

*Less than 15 yrs.

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average ⁺

+ 1958-1972 period.

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as of
MAY 1, 1975

U.S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

THE GUNNISON RIVER AND ITS TRIBUTARIES SHOULD PROVIDE ADEQUATE WATER FOR ALL ITS USERS THIS SUMMER. THE SNOWPACK IS EXTREMELY HIGH AND FORECASTS RANGE FROM 150% OF NORMAL AND UP. HIGH WATER COULD RESULT ABOVE BLUE MESA RESERVOIR ON THE GUNNISON AND ON THE UNCOMPAHGRE AND SURFACE CREEKS IF TEMPERATURES ARE UP DURING THE NEXT 60 DAYS. BLUE MESA CONTAINS 260,000 A.F. SO CAN SLOW THE FLOW MATERIALLY.

This report prepared by

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U.S. DEPARTMENT OF AGRICULTURE—SOIL CONSERVATION SERVICE

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORECAST	% of Average	Average ⁺
Gunnison inflow to Blue Mesa (1)	1200	151	793
Gunnison nr Grand Junction (2)	2000	169	1184
N. Fork of Gunnison (3)	410	156	263
Surface Creek nr Cedaredge	23	144	16
Uncompahgre at Colona	230	172	134

(1) Observed flow plus change in storage in Taylor Reservoir. (2) Observed flow plus change in storage in Blue Mesa, Morrow Point and Taylor Reservoirs.
 (3) Observed flow plus change in storage in Paonia Reservoir.

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Taylor	Exc.	Exc.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average ⁺
Gunnison	12	144	168
Surface Creek	3	138	143
Uncompahgre	3	195	206

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average ⁺
Gunnison	1	100	100
Surface Creek	-	--	--
Uncompahgre	-	--	--

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average ⁺
Blue Mesa	830	260	311	308
Morrow Point	121	114	114	115
Taylor	106	50	66	62

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average ⁺

+ 1958-1972 period.

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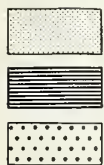
WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE COLORADO RIVER WATERSHED IN COLORADO

as of
MAY 1, 1975

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO

LEGEND

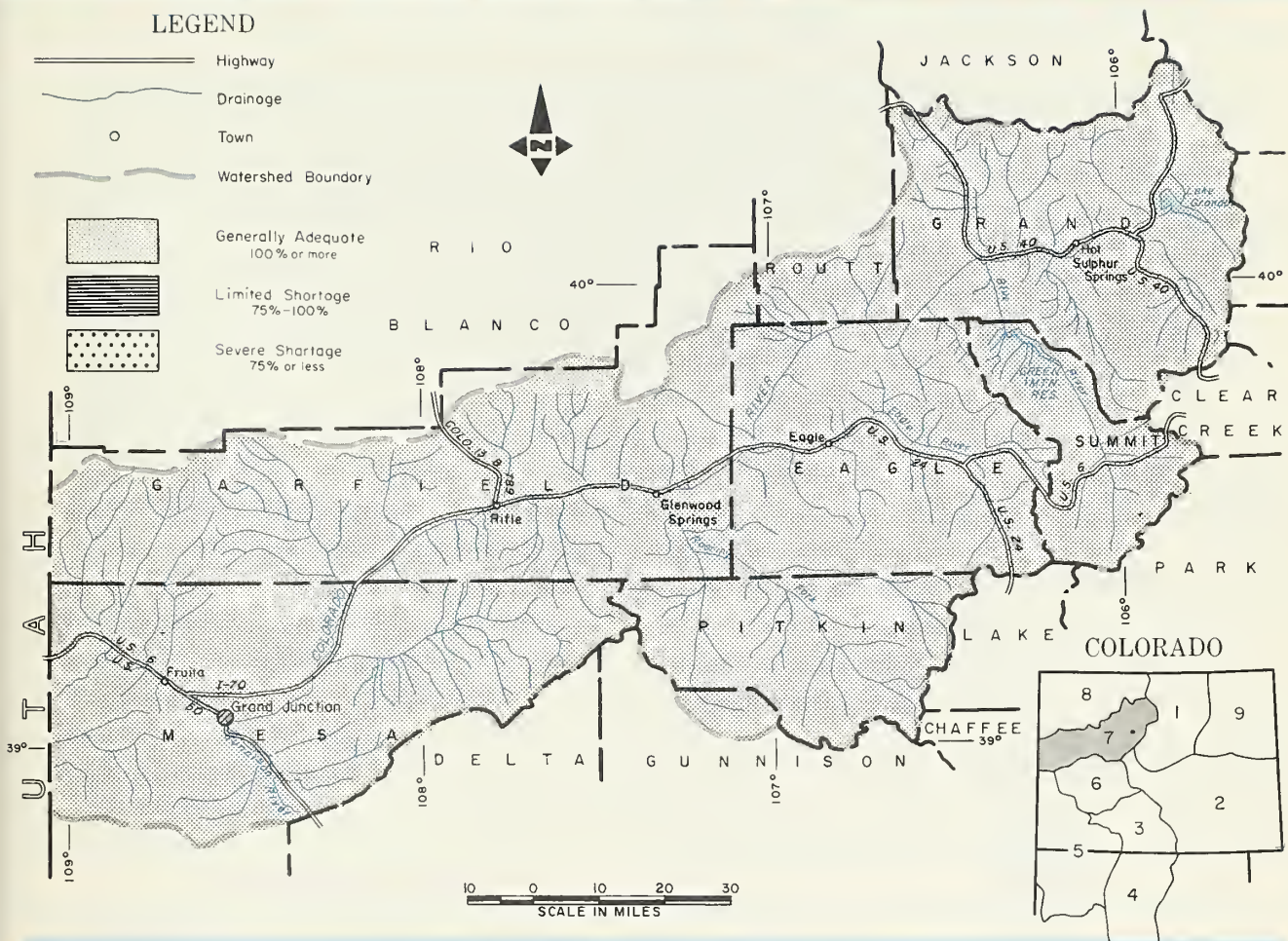
-  Highway
-  Drainage
-  Town
-  Watershed Boundary



Generally Adequate
100% or more

Limited Shortage
75%-100%

Severe Shortage
75% or less



YOUR WATER SUPPLY

WATER SUPPLIES WILL BE ADEQUATE IN THE COLORADO BASIN THIS SUMMER. FORECASTS RANGE FROM A LOW OF 103% ON THE INFLOW TO GRANBY TO 133% OF NORMAL ON THE ROARING FORK. CARRYOVER STORAGE IS SLIGHTLY ABOVE NORMAL AND WILL PROVIDE AN EXCELLENT SUPPLEMENT IF NEEDED. SOIL MOISTURE CONDITIONS ARE REPORTED AS FAIR TO GOOD.

This report prepared by

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U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

FORECAST POINT	FORECAST	% of Average	Average ⁺
Blue inflow to Dillon	190	112	169
Blue inflow to Green Mountain (1)	335	113	297
Colo. R. inflow to Granby Res. (2)	235	103	228
Colo. R. nr Dotsero (3)	1750	122	1434
Roaring Fork at Glenwood Springs (4)	950	133	713
Wm. Fk. nr Parshall (5)	75	119	63
Willow Cr. inflow to Willow Cr. Reservoir	55	117	47
Colorado nr Cameo (6)	2900	122	2370

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Brush	Exc.	Exc.
Eagle River	Exc.	Exc.
Gypsum Creek	Exc.	Exc.

(1) Observed flow plus diversions through Roberts Tunnel and change in storage in Dillon Reservoir. (2) Observed flow corrected for change in storage in Lake Granby as furnished by U.S.B.R. and diversions by Adams Tunnel and Grand River Ditch. (3) Observed flow plus the changes as indicated in (1), (2) and (5) plus Moffat Ditch and change in Homestake, Williams Fork, Green Mt. and Willow Creek Reservoirs. (4) Observed flow plus diversions through Divide and Twin Lakes Tunnels plus change in storage in Ruedi Reservoir. (5) Observed flow plus diversions through August P. Gumlick Tunnel. (6) Observed flow plus the changes as indicated in (3) and (5).

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average ⁺
Blue River	8	90	120
Colorado	22	90	121
Plateau	3	138	140
Roaring Fork	7	121	135
Williams Fork	3	78	128
Willow	2	99	136

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average ⁺
Blue River	1	131	113
Colorado	3	71	69
Roaring Fork	-	--	--
Willow	1	83	74

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average ⁺
Dillon	254	205	239	229
Granby	466	278	368	209
Green Mountain	147	44	40	45
Homestake	43	25		11

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average ⁺
Ruedi	101	53	53	55
Vega	32	9	16	15
Williams Fork	97	35	46	29
Willow Creek	9	6	2	6

+ 1958-1972 period.

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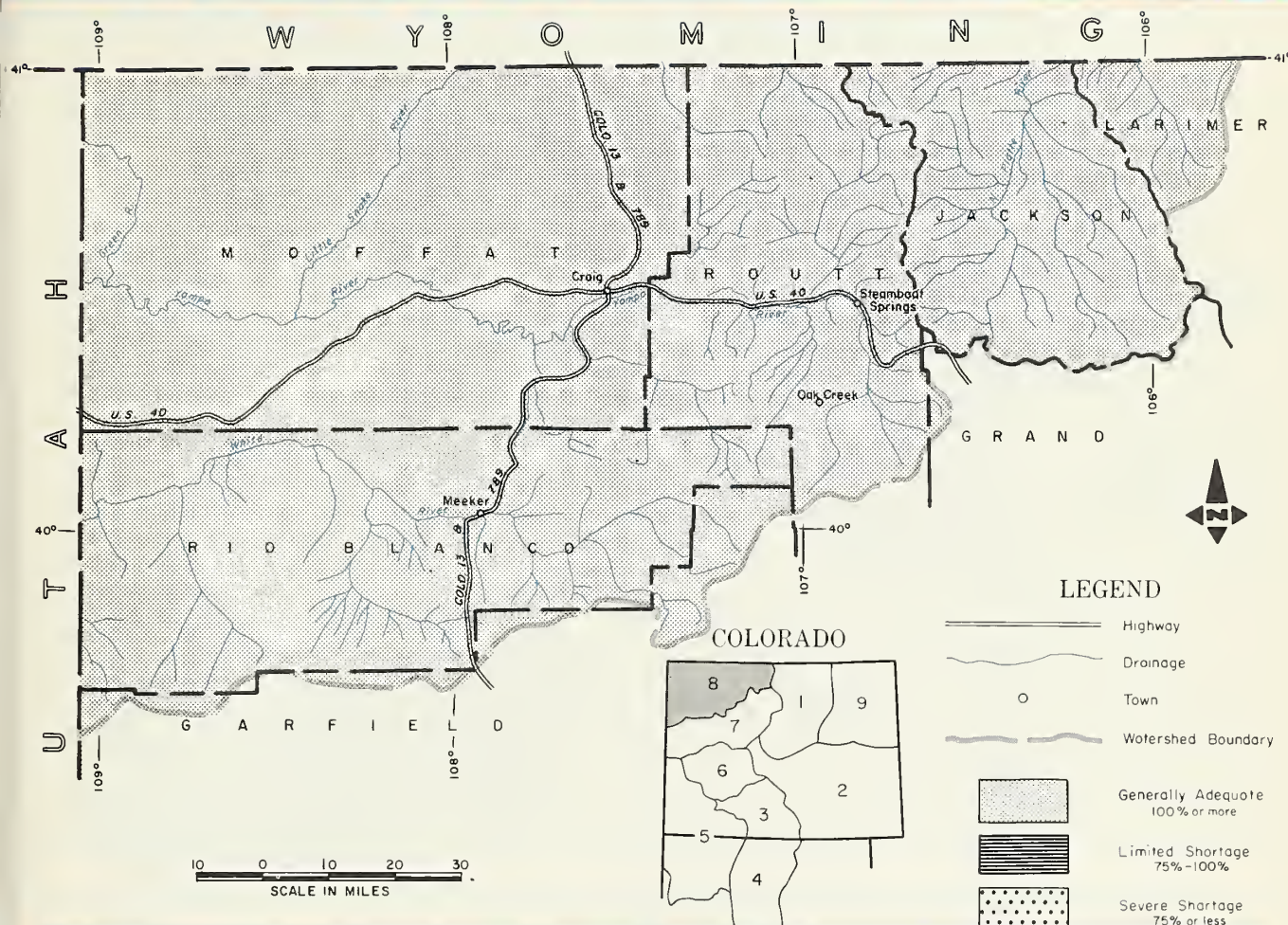


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WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE YAMPA, WHITE, AND NORTH PLATTE RIVER WATERSHEDS IN COLORADO

as of
MAY 1, 1975

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

WATER SUPPLIES WILL BE MORE THAN ADEQUATE IN NORTHWESTERN COLORADO THIS SUMMER. THE WINTER SNOWPACK WAS GOOD AND CONTINUES TO BUILD. APRIL WAS COLD AND LITTLE SNOW HAS MELTED. STREAMFLOW FORECASTS ARE ALL ABOVE 115%. SOIL MOISTURE IN THE MOUNTAINS IS NEAR NORMAL. PLAINS SOIL MOISTURE IS LISTED AS GOOD. SMALL STREAMS SHOULD HAVE GOOD FLOWS EARLY AND TAPER OFF WITH THE SEASON.

This report prepared by

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U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORECAST	% of Average	Average ⁺
Elk at Clark	250	126	198
Laramie nr Woods	148	116	127
Little Snake at Lily	380	117	324
N. Platte at Northgate	336	140	240
White Nr Meeker	400	136	295
Yampa nr Maybell	1200	133	905
Yampa at Steamboat Springs	365	133	274

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Canadian River	Exc.	Avg.
Hunt Creek	Exc.	Avg.
Illinois River	Exc.	Avg.
Michigan River	Exc.	Avg.
Oak Creek	Exc.	Avg.
Trout Creek	Exc.	Avg.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average ⁺
Elk	2	81	153
Laramie	3	70	96
North Platte	5	95	119
White	2	99	166
Yampa	6	88	136

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average ⁺
Laramie	1	104	83
North Platte	2	78	80
Yampa	1	108	136

+ 1958-1972 period.

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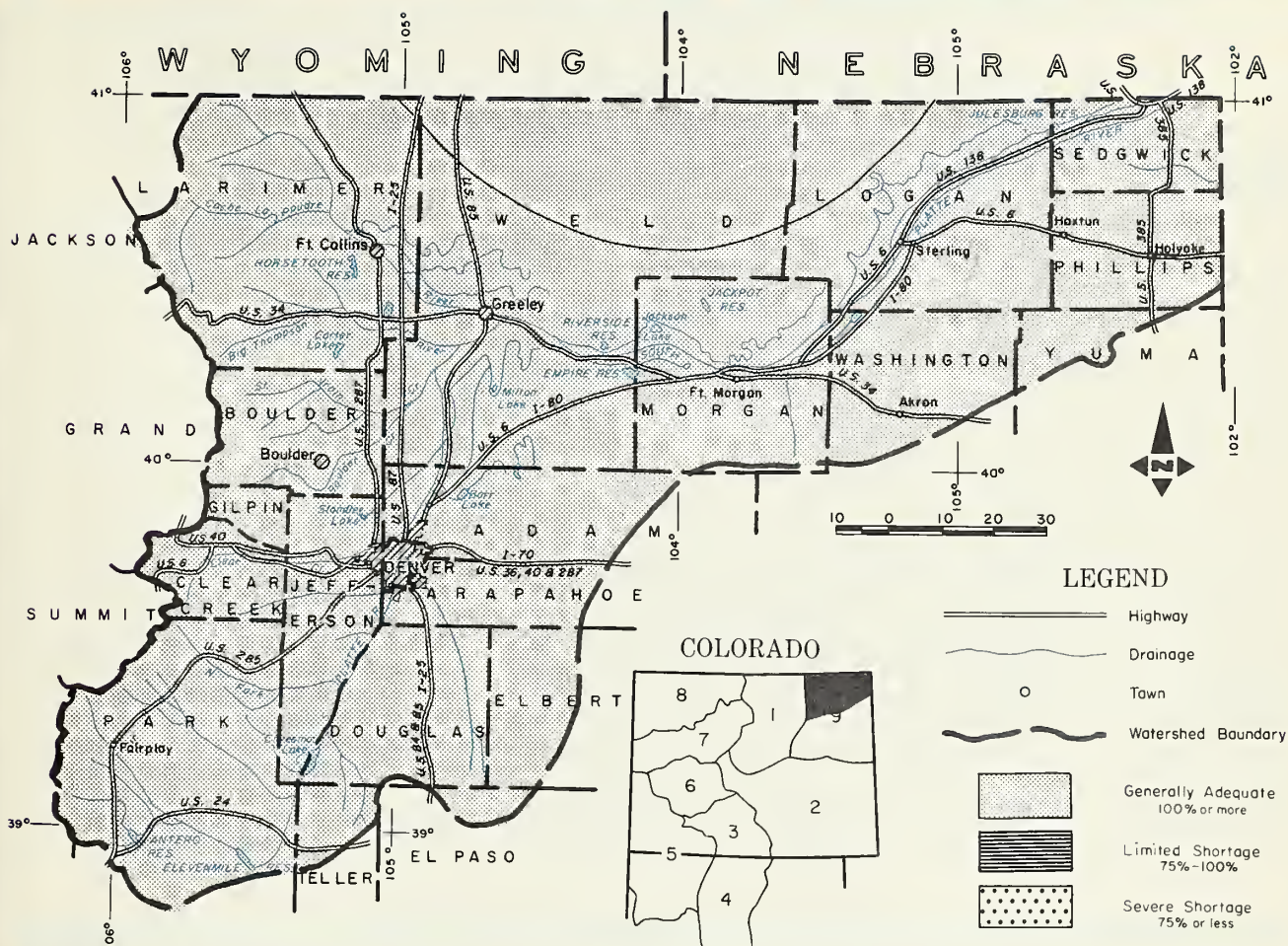


FIRST CLASS MAIL

WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE LOWER SOUTH PLATTE RIVER WATERSHED IN COLORADO

as of
MAY 1, 1975

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

RUNOFF ON THE SOUTH PLATTE AND ITS NORTHERN TRIBUTARIES SHOULD BE ABOVE NORMAL THIS YEAR. THE MAINSTEM IS PARTICULARLY GOOD. CARRYOVER STORAGE IS SLIGHTLY BETTER THAN THE 15 YEAR AVERAGE. SOILS ARE REPORTED AS FAIR TO GOOD. FORECASTS ARE BASED ON NORMAL CONDITIONS FOR THE REMAINDER OF THE YEAR. IF CONDITIONS REMAIN AT LEAST NORMAL, WATER SUPPLIES SHOULD BE ADEQUATE.

This report prepared by

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U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORECAST	% of Average	Average ⁺
Big Thompson at Drake (1)	120	112	107
Boulder at Orodell	60	122	49
Cache La Poudre at Canyon Mouth (2)	265	107	247
Clear Creek at Golden (3)	150	118	127
St. Vrain at Lyons (4)	92	123	75

(1) Observed flow plus by-pass to power plants. (2) Observed flow minus trans-basin diversions plus municipal and irrigation diversions. (3) Observed flow minus diversion through August P. Gumlick Tunnel. (4) Observed flow plus change in storage in Price Reservoir.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average ⁺
Big Thompson	5	112	115
Boulder	3	83	103
Cache La Poudre	8	88	111
Clear Creek	6	85	111
Saint Vrain	3	146	132
South Platte	3	152	142

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
South Platte from Greeley to Fort Morgan	Exc.	Avg.
South Platte from Fort Morgan to Sterling	Exc.	Avg.
South Platte below Sterling	Exc.	Avg.

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average ⁺
Big Thompson	3	89	81
Boulder	1	79	57
Cache La Poudre	2	91	82
Clear Creek	2	104	97
Saint Vrain	1	79	57
South Platte	2	104	88

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average ⁺
Carter	109	109	107	99
Cheesman	79	50	68	60
Eleven Mile	98	97	95	89
Empire	38	35	35	33
Horsetooth	144	115	126	121

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average ⁺
Jackson	35	35	34	33
Julesburg	28	24	23	23
Point of Rocks	70	70	70	66
Prewitt	33	27	28	23
Riverside	58	60	59	58

+ 1958-1972 period.

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APPENDIX I

SNOW COURSE MEASUREMENTS as of May 1, 1975

SNOW COURSE	CURRENT INFORMATION			PAST RECORD	
	DATE OF SURVEY	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)	WATER CONTENT (INCHES)	
				LAST YEAR	AVG. 58-72
NORTH PLATTE BASIN					
<u>Laramie River</u>					
Deadman Hill	4/30	51	16.0	23.2	18.0
McIntyre	4/27	37	9.7	13.5	10.1
Roach	4/27	55	19.0	27.2	18.5
<u>North Platte River</u>					
Cameron Pass	4/30	80	33.6	36.3	31.2
Columbine Lodge	4/30	73	27.9	27.4	22.0
Northgate	4/30	14	4.2	5.3	3.7
Park View	4/28	34	9.2	9.5	6.5
Willow Cr. Pass (B)	4/28	42	13.3	14.1	11.0
SOUTH PLATTE BASIN					
<u>Boulder Creek</u>					
Baltimore	4/28	20	5.7	8.1	3.9
Boulder Falls	4/28	42	13.3	15.5	13.1
University Camp	4/28	57	19.1	22.4	19.9
<u>Big Thompson River</u>					
Deer Ridge	4/28	19	6.4	1.9	2.7
Hidden Valley	4/28	41	11.7	9.4	11.6
Lake Irene (B)	4/24	62	22.8	25.8	22.9
Long's Peak	4/30	50	17.1	13.4	12.5
Two Mile	4/28	63	19.7	18.8	17.9
<u>Cache La Poudre</u>					
Bennett Creek	4/30	17	5.8	9.1	---
Big South	4/29	1	0.2	0.0	0.6
Cameron Pass	4/30	80	33.6	36.3	31.2
Chambers Lake	4/29	27	10.9	6.8	6.0
Deadman Hill	4/30	51	16.0	23.2	18.0
Hourglass Lake	4/30	22	6.8	11.2	6.0
Joe Wright	4/30	73	28.0	33.8	---
Lost Lake	4/29	37	12.7	12.5	9.9
Pine Creek	4/30	0	0.0	0.4	0.3
Red Feather	4/30	17	5.5	7.3	5.1
<u>Clear Creek</u>					
Baltimore	4/28	20	5.7	8.1	3.9
Berthoud Falls	4/28	49	15.6	16.8	12.4
Empire	4/28	36	10.3	11.9	6.9
Grizzly Peak (B)	4/28	63	21.1	26.0	20.1
Loveland Lift	4/28	71	22.5	23.3	24.0
Loveland Pass	4/28	49	16.4	21.9	15.0
<u>Saint Vrain River</u>					
Copeland Lake	4/27	15	5.2	1.4	2.4
Ward	4/29	23	6.7	4.8	5.6
Wild Basin	4/27	44	14.8	12.1	12.3
<u>South Platte River</u>					
Como	4/30	27	8.1	3.2	---
Geneva Park	4/28	13	3.3	1.1	1.9
Horseshoe Mountain	4/29	47	14.0	9.9	---
Hoosier Pass	4/28	48	17.6	13.0	12.9
Jefferson Creek	4/30	40	11.7	7.3	8.1
Mosquito	4/28	42	13.4	5.9	---
Trout Creek Pass	4/29	18	5.6	0.0	---
ARKANSAS BASIN					
<u>Arkansas River</u>					
Bigelow Divide	4/25	25	7.7	6.8	3.6
Cooper Hill (B)	5/02	50	13.0	15.5	12.1
East Fork	4/29	32	10.3	10.5	7.5
Four Mile Park	4/29	17	5.1	0.2	1.4
Fremont Pass	4/29	64	20.7	21.2	18.1
Garfield	4/30	47	19.9	10.9	8.6
Hermit Lake	4/28	45	18.0	3.9	---
Monarch Pass	4/30	63	24.8	18.9	16.3
Tennessee Pass	4/29	40	13.0	8.0	8.5
Twin Lakes Tunnel	4/28	41	13.4	12.1	9.4
Westcliffe	4/28	30	11.5	0.0	1.6

SNOW COURSE	CURRENT INFORMATION			PAST RECORD	
	DATE OF SURVEY	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)	WATER CONTENT (INCHES)	
				LAST YEAR	AVG. 58-72
<u>Cucharas River</u>					
Apishapa	4/28	19	5.7	0.0	3.3
Cucharas Creek	4/28	31	10.9	---	---
La Veta Pass (B)	4/28	23	7.3	0.0	2.1
<u>Purgatoire River</u>					
Bourbon	4/29	22	7.3	0.4	2.5
RIO GRANDE BASIN-COLO					
<u>Alamosa River</u>					
Silver Lakes	4/25	18	6.4	0.0	0.7
Summitville	4/28	87	30.4	17.8	19.0
<u>Conejos River</u>					
Cumbres	4/28	73	26.3	12.4	13.7
La Manga	4/28	76	29.2	13.3	---
Platoro	4/30	64	26.5	7.6	10.5
River Springs	NS	---	---	0.0	0.3
<u>Culebra River</u>					
Brown Cabin	5/03	18	5.9	0.0	---
Cottonwood (B)	NS	---	---	---	---
Culebra	5/02	31	9.5	5.0	3.9
La Veta Pass (B)	4/28	23	7.3	0.0	2.1
Trinchera (B)	5/01	28	9.4	---	---
<u>Rio Grande</u>					
Cochetopa Pass	4/25	32	10.5	4.6	3.3
Grayback	4/28	64	24.1	12.9	---
Hiway	5/02	105	39.4	21.1	25.8
Lake Humphrey	4/29	28	9.1	0.5	0.9
Love Lake	4/30	45	14.1	0.0	---
Pass Creek	5/02	47	18.4	0.1	3.5
Pool Table	4/30	27	8.4	0.2	2.4
Porcupine	4/29	47	16.4	2.6	7.4
Santa Maria	4/28	23	7.3	0.0	0.8
Upper Rio Grande	4/28	41	13.5	0.8	2.2
Wolf Creek Pass	5/02	99	43.2	16.9	21.5
Wolf Cr. Summit (B)	5/02	117	42.9	26.9	30.4
RIO GRANDE BASIN-NM					
Bateman	5/01	43	17.4	---	---
Chamita	4/30	24	8.5	0.0	0.2
Cordova	4/30	33	11.3	---	---
Hematite	4/30	6	2.2	---	---
Hopewell	4/29	60	24.3	10.9	---
Panchuela	4/29	8	2.9	---	---
Red River	4/30	18	7.9	---	---
Red River #2	4/30	16	6.3	---	---
Rio En Medio	4/28	21	7.6	0.0	---
Sandoval	4/28	23	8.3	---	---
Taos Canyon	4/28	11	4.0	---	---
Tres Ritos	4/29	5	2.2	---	---

NOTE: NS - No Survey
(B) - On Adjacent Drainage

APPENDIX I

SNOW COURSE MEASUREMENTS as of May 1, 1975

SNOW COURSE	CURRENT INFORMATION			PAST RECORD	
	DATE OF SURVEY	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)	WATER CONTENT (INCHES)	
				LAST YEAR	AVG. 58-72
SAN JUAN - DOLORES					
<u>Animas River</u>					
Cascade	4/28	47	18.7	1.2	4.2
Lemon	4/29	37	13.7	0.0	---
Mineral Creek	4/28	71	24.8	10.2	11.6
Molas Lake	4/28	55	20.8	6.9	7.8
Purgatory	4/29	91	34.3	11.7	---
Red Mt. Pass (B)	4/28	125	46.8	30.6	32.5
Silverton Sub-Sta.	4/28	31	10.4	0.0	0.3
Spud Mountain	4/28	100	40.3	18.7	21.7
<u>Dolores River</u>					
Lizard Head	4/29	70	29.5	18.9	14.9
Lone Cone	4/29	57	22.5	10.1	---
Rico	4/29	23	8.2	0.0	0.1
Telluride	4/29	36	12.5	0.0	1.4
Trout Lake	4/29	62	24.2	10.5	9.1
<u>San Juan River</u>					
Chama Divide (B)	NS	--	---	0.0	0.0
Chamita (B)	4/30	24	8.5	0.0	0.2
Upper San Juan	5/02	104	45.2	20.1	25.0
Wolf Creek Pass (B)	5/02	99	43.0	16.9	21.5
Wolf Creek Summit	5/02	117	42.9	26.9	30.4
GUNNISON BASIN					
<u>Gunnison River</u>					
Alexander Lake	4/29	77	30.9	23.5	21.9
Blue Mesa	4/29	30	9.7	3.3	1.7
Butte	4/28	56	18.4	15.2	---
Cochetopa Pass (B)	4/25	32	10.5	4.6	3.3
Crested Butte	4/28	39	16.3	11.2	7.0
Keystone	4/28	62	24.7	21.7	17.2
Lake City	4/29	35	11.4	5.7	4.2
Mesa Lakes (B)	4/25	64	24.1	17.8	15.8
McClure Pass	4/28	51	19.5	10.3	9.1
Park Cone	4/30	33	11.0	7.2	7.3
Park Reservoir	4/28	85	33.0	22.4	24.0
Porphyry Creek	4/30	65	25.0	20.0	16.5
Tomichi	4/30	45	16.2	13.2	10.3
<u>Surface Creek</u>					
Alexander Lake	4/29	77	30.9	23.5	21.9
Mesa Lakes (B)	4/25	64	24.1	17.8	15.8
Park Reservoir	4/28	85	33.0	22.4	24.0
<u>Uncompahgre River</u>					
Ironton Park	4/29	62	24.7	12.5	7.0
Red Mountain Pass	4/28	125	46.8	30.6	32.5
Telluride (B)	4/29	36	12.5	0.0	1.4
COLORADO BASIN (Main)					
<u>Blue River</u>					
Blue River	4/28	25	8.0	7.9	5.9
Fremont Pass	4/29	64	20.7	21.2	18.1
Frisco	4/28	30	8.3	7.1	4.7
Grizzly Peak	4/28	63	21.1	26.0	20.1
Hoosier Pass (B)	4/28	48	17.6	13.0	12.9
Shrine Pass	4/28	68	20.0	25.2	20.0
Snake River	4/28	16	4.3	10.5	3.3
Summit Ranch	4/29	26	7.7	8.3	4.9

SNOW COURSE	CURRENT INFORMATION			PAST RECORD	
	DATE OF SURVEY	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)	WATER CONTENT (INCHES)	
				LAST YEAR	AVG. 58-72
<u>Colorado River</u>					
Arrow	4/29	36	12.8	18.4	11.1
Berthoud Pass	4/28	49	16.6	24.0	16.0
Berthoud Summit	4/28	65	21.5	27.5	21.1
Cooper Hill	5/02	50	13.0	15.5	12.1
Fiddler Gulch	4/29	54	18.1	15.9	14.5
Glenmar Ranch	4/28	25	7.1	8.6	4.4
Gore Pass	4/29	32	11.9	9.0	7.8
Grand Lake	4/24	31	6.7	7.9	4.0
Lake Irene	4/24	62	22.8	25.8	22.9
Lapland	4/28	36	10.1	13.9	7.3
Lulu	4/26	59	23.4	27.3	20.3
Lynx Pass	4/29	39	14.7	11.9	8.4
McKenzie Gulch	4/29	18	4.7	1.5	1.0
Middle Fork	4/28	33	9.5	10.3	6.2
Milner	4/24	39	12.5	14.3	13.1
North Inlet	4/23	29	8.9	6.1	6.3
Pando	4/28	35	11.3	10.2	8.0
Phantom Valley	4/24	33	10.1	8.1	7.0
Ranch Creek	4/29	31	7.6	15.9	9.4
Tennessee Pass (B)	4/29	40	13.0	8.0	8.5
Vail Pass	4/28	56	16.7	22.7	15.6
Vasquez	4/30	41	13.0	16.7	12.8
<u>Roaring Fork River</u>					
Aspen	4/28	61	21.6	24.7	17.7
Independence Pass	4/28	55	18.5	16.8	16.8
Ivanhoe	4/29	64	21.9	25.0	17.7
Kiln	4/29	46	16.3	17.0	---
Lift	4/28	60	20.2	17.0	19.0
McClure Pass	4/28	51	19.5	10.3	9.1
Nast	4/29	16	5.0	1.7	2.0
North Lost Trail	4/28	43	15.8	6.1	8.3
<u>Williams Fork River</u>					
Glenmar Ranch	4/28	25	7.1	8.6	4.4
Jones Pass	4/28	55	17.3	24.6	15.8
Middle Fork	4/28	33	9.5	10.3	6.2
<u>Willow Creek</u>					
Granby	4/28	21	7.1	6.5	4.0
Willow Creek Pass	4/28	42	13.3	14.1	11.0
<u>Plateau Creek</u>					
Mesa Lakes	4/25	64	24.1	17.8	15.8
Park Reservoir	4/28	85	33.0	22.4	24.0
Trickle Divide	4/28	89	36.6	27.6	26.9
YAMPA BASIN					
<u>Elk River</u>					
Elk River	4/29	56	20.7	21.9	15.4
Hahn's Peak	4/29	39	15.8	13.2	8.5
<u>White River</u>					
Burro Mountain	4/29	66	23.6	21.8	15.0
Rio Blanco	4/28	50	17.6	19.8	9.8
<u>Yampa River</u>					
Bear River	4/30	33	12.1	9.8	7.5
Columbine (B)	4/30	73	27.9	27.4	22.0
Crosho	4/30	50	17.3	15.4	---
Dry Lake	4/28	55	22.6	28.7	16.9
Fish Creek	4/28	121	50.8	56.7	---
Lynx Pass (B)	4/29	39	14.7	11.9	8.4
Rabbit Ears	4/29	84	31.5	41.6	27.1
Tower	4/28	145	61.5	66.1	---
Yampa View	4/30	40	15.5	20.9	9.3

NOTE: NS - No Survey
(B) - On Adjacent Drainage

APPENDIX II

SOIL MOISTURE MEASUREMENTS as of May 1, 1975

STATION	DATE OF SURVEY	CAPACITY (INCHES)	THIS YEAR	LAST YEAR	AVG. ALL DATA
NORTH PLATTE BASIN					
<u>North Platte River</u>					
Muddy Pass	4/29	11.1	7.3	9.7	8.5
Willow Pass	4/28	9.5	5.4	6.5	7.3
SOUTH PLATTE BASIN					
<u>Boulder Creek</u>					
Alpine Camp	4/29	6.9	2.6	3.3	4.6
<u>Big Thompson River</u>					
Beaver Dam	4/30	7.1	4.0	3.6	4.8
Guard Station	4/30	6.9	3.3	4.7	4.4
Two Mile	4/30	9.1	4.5	4.9	5.4
<u>Clear Creek</u>					
Clear Creek	4/28	9.5	5.7	5.8	6.1
Hoop Creek	4/28	4.9	3.1	2.7	3.0
<u>Cache La Poudre River</u>					
Feather	4/30	10.1	6.6	8.2	8.1
Laramie Road	4/29	12.4	7.2	6.9	8.7
<u>South Platte River</u>					
Hoosier Pass	4/28	7.8	4.7	4.6	5.3
Kenosha Pass	4/30	4.4	3.1	2.9	3.6
ARKANSAS BASIN					
<u>Arkansas River</u>					
Garfield	4/30	6.7	4.6	4.7	4.4
Leadville	4/29	7.8	4.0	4.8	4.6
Twin Lakes Tunnel	4/29	4.5	2.7	2.9	2.9
RIO GRANDE BASIN - COLORADO					
<u>Conejos River</u>					
Mogote	4/23	10.7	6.2	8.1	8.4
<u>Rio Grande</u>					
Bristol View	4/30	6.1	2.1	5.4	4.9
La Veta Pass	No Reading	11.9	---	10.4	11.4
ANIMAS - SAN JUAN BASINS					
<u>Animas River</u>					
Cascade	No Reading	9.1	---	5.3	7.0
Mineral Creek	No Reading	5.7	---	3.0	4.1
Molas Lake	No Reading	9.4	---	3.2	6.2
<u>Dolores River</u>					
Dolores	4/29	19.6	10.8	18.8	12.0
Lizard Head	4/29	11.8	2.2	3.4	7.0
Rico	4/29	13.8	5.8	3.5	9.8
GUNNISON BASIN					
<u>Gunnison River</u>					
King	4/30	3.3	2.4	2.4	2.4
COLORADO BASIN (MAINSTEM)					
<u>Blue River</u>					
Blue River	4/28	4.2	3.4	2.6	3.0
<u>Colorado River</u>					
Berthoud Pass	4/28	3.9	3.0	3.0	3.0
Gore	4/29	4.9	3.9	4.2	4.1
Grand Mesa	No Reading	12.5	---	9.9	11.6
Ranch Creek	4/29	8.7	3.0	5.7	6.2
Vail	No Reading	12.3	---	8.3	10.1
<u>Roaring Fork River</u>					
Placita	No Reading	9.3	---	7.7	7.6
YAMPA BASIN					
<u>Yampa River</u>					
Hahn's Peak	4/29	13.1	13.2	12.2	9.7

LIST of COOPERATORS

The following organizations cooperate in snow surveys for the Colorado, Platte, Arkansas and Rio Grande watersheds. Many other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

STATE

Colorado State Engineer
New Mexico State Engineer
Nebraska State Engineer
Colorado State University Experiment Station
Rocky Mountain Forest and Range Experiment Station

FEDERAL

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Forest Service
Soil Conservation Service

Department of Interior

Bureau of Reclamation
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National Park Service
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Arkansas Valley Ditch Association
Colorado River Water Conservation District

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San Luis Valley Irrigation District
Santa Maria Reservoir Company
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Uncompahgre Valley Water Users' Association
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